ıe of Work: Construction of concrete roads and other works at Shettyhalli Colony roads in Ward No.12 in Shettyhalli Sub Division

Detailed Measurements

of Measurements

Discription of Item	No	Length	Breadth		Depth	Qty	Unit
Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 including conveying the excavated earth, silt, debris and over borden earth etc., to lead of 5 km distance by using private vehicle includes the cost of loading and unloading charges etc., complete as per directions of Enginner incharge of the works.							
Narasimhaswamy Temple Road			B1	B2	Average "B"		
0.00 to 15.00	1	15	7.40	3.50	5.45	0.35	28.61
15.00 to 30.00	1	15	3.50	3.80	3.65	0.35	19.16
30.00 to 45.00	1	15	3.80	3.10	3.45	0.35	18.11
45.00 to 60.00	1	15	3.10	3.60	3.35	0.35	17.59
60.00 to 75.00	1	15	3.60	5.30	4.45	0.35	23.36
75.00 to 90.00	1	15	5.30	9.90	7.60	0.35	39.90
90.00 to 101.00	1	11	9.90	13.60	11.75	0.35	45.24
101.00 to 124.00	1	23	13.60	7.10	10.35	0.35	83.32
Royal Avenue Road							
0.00 to 15.00	1	15	4.40	4.50	4.45	0.35	23.36
15.00 to 30.00	1	15	4.50	4.00	4.25	0.35	22.31
30.00 to 45.00	1	15	4.00	3.90	3.95	0.35	20.74
45.00 to 60.00	1	15	3.90	4.00	3.95	0.35	20.74
60.00 to 75.00	1	15	4.00	3.80	3.90	0.35	20.48
75.00 to 90.00	1	15	3.80	3.50	3.65	0.35	19.16
90.00 to 105.00	1	15	3.50	3.20	3.35	0.35	17.59
105.00 to 120.00	1	15	3.20	3.30	3.25	0.35	17.06
120.00 to 135.00	1	15	3.30	3.70	3.50	0.35	18.38
135.00 to 150.00	1	15	3.70	3.70	3.70	0.35	19.43
150.00 to 165.00	1	15	3.70	3.70	3.70	0.35	19.43
165.00 to 180.00	1	15	3.70	4.20	3.95	0.35	20.74
180.00 to 195.00	1	15	4.20	4.10	4.15	0.35	21.79
195.00 to 210.00	1	15	4.10	4.10	4.10	0.35	21.53

Assistant Engineer 09/06/2020.
Ward No.12
BBMP, Bengaluru

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Assistant Executive Engineer 9/6
Shettyhalli Sub Division
BBMP, Bengaluru

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6th cross, Shettyhalli							
0.00 to 15.00	1	15	4.80	3.90	4.35	0.35	22.84
15.00 to 30.00	1	15	3.90	3.80	3.85	0.35	20.21
30.00 to 45.00	1	15	3.80	4.10	3.95	0.35	20.74
45.00 to 60.00	1	15	4.10	7.60	5.85	0.35	30.71
60.00 to 75.00	1	15	7.60	6.30	6.95	0.35	36.49
75.00 to 90.00	1	15	6.30	6.20	6.25	0.35	32.81
90.00 to 105.00	1	15	6.20	6.30	6.25	0.35	32.81
105.00 to 120.00	1	15	6.30	6.70	6.50	0.35	34.13
						Total Qty	**788.74**
						Consider BOQ Tender Quantity	**732.94**

KSRRB M400-17. Providing, laying, spreading and compacting cushed Cum stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc., complete as per directions of Enginner incharge of the works.

Narasimhaswamy Temple Road			B1	B2	Average "B"		
0.00 to 15.00	1	15	7.40	3.50	5.45	0.15	12.26
15.00 to 30.00	1	15	3.50	3.80	3.65	0.15	8.21
30.00 to 45.00	1	15	3.80	3.10	3.45	0.15	7.76
45.00 to 60.00	1	15	3.10	3.60	3.35	0.15	7.54
60.00 to 75.00	1	15	3.60	5.30	4.45	0.15	10.01
75.00 to 90.00	1	15	5.30	9.90	7.60	0.15	17.10
90.00 to 101.00	1	11	9.90	13.60	11.75	0.15	19.39
101.00 to 124.00	1	23	13.60	7.10	10.35	0.15	38.71
Royal Avenue Road							
0.00 to 15.00	1	15	4.40	4.50	4.45	0.15	10.01
15.00 to 30.00	1	15	4.50	4.00	4.25	0.15	9.56
30.00 to 45.00	1	15	4.00	3.90	3.95	0.15	8.89
45.00 to 60.00	1	15	3.90	4.00	3.95	0.15	8.89
60.00 to 75.00	1	15	4.00	3.80	3.90	0.15	8.78
75.00 to 90.00	1	15	3.80	3.50	3.65	0.15	8.21

E.E. (D.D.)

Assistant Engineer
Ward No.12
BBMP, Bengaluru

25/06/2020

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BBMP, Bengaluru

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90.00 to 105.00	1	15	3.50	3.20	3.35	0.15	7.54
105.00 to 120.00	1	15	3.20	3.30	3.25	0.15	7.31
120.00 to 135.00	1	15	3.30	3.70	3.50	0.15	7.88
135.00 to 150.00	1	15	3.70	3.70	3.70	0.15	8.33
150.00 to 165.00	1	15	3.70	3.70	3.70	0.15	8.33
165.00 to 180.00	1	15	3.70	4.20	3.95	0.15	8.89
180.00 to 195.00	1	15	4.20	4.10	4.15	0.15	9.34
195.00 to 210.00	1	15	4.10	4.10	4.10	0.15	9.23
6th cross, Shettyhalli							
0.00 to 15.00	1	15	4.80	3.90	4.35	0.15	9.79
15.00 to 30.00	1	15	3.90	3.80	3.85	0.15	8.66
30.00 to 45.00	1	15	3.80	4.10	3.95	0.15	8.89
45.00 to 60.00	1	15	4.10	7.60	5.85	0.15	13.16
60.00 to 75.00	1	15	7.60	6.30	6.95	0.15	15.64
75.00 to 90.00	1	15	6.30	6.20	6.25	0.15	14.06
90.00 to 105.00	1	15	6.20	6.30	6.25	0.15	14.06
105.00 to 120.00	1	15	6.30	6.70	6.50	0.15	14.63
						Total Qty	**338.03**
						Consider BOQ Tender Quantity	**314.12**

KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering etc., complete as per directions of Enginner incharge of the works.

Narasimhaswamy Temple Road			B1	B2	Average "B"		
0.00 to 15.00	1	15	7.40	3.50	5.45	0.15	12.26
15.00 to 30.00	1	15	3.50	3.80	3.65	0.15	8.21
30.00 to 45.00	1	15	3.80	3.10	3.45	0.15	7.76
45.00 to 60.00	1	15	3.10	3.60	3.35	0.15	7.54
60.00 to 75.00	1	15	3.60	5.30	4.45	0.15	10.01

Assistant Engineer
Ward No.12
BBMP, Bengaluru
01/07/2020

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bengaluru
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ ಮಹದೇವಪುರ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

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75.00 to 90.00	1	15	5.30	9.90	7.60	0.15	17.10	
90.00 to 101.00	1	11	9.90	13.60	11.75	0.15	19.39	
101.00 to 124.00	1	23	13.60	7.10	10.35	0.15	35.71	
Royal Avenue Road								
0.00 to 15.00	1	15	4.40	4.50	4.45	0.15	10.01	
15.00 to 30.00	1	15	4.50	4.00	4.25	0.15	9.56	
30.00 to 45.00	1	15	4.00	3.90	3.95	0.15	8.89	
45.00 to 60.00	1	15	3.90	4.00	3.95	0.15	8.89	
60.00 to 75.00	1	15	4.00	3.80	3.90	0.15	8.78	
75.00 to 90.00	1	15	3.80	3.50	3.65	0.15	8.21	
90.00 to 105.00	1	15	3.50	3.20	3.35	0.15	7.54	
105.00 to 120.00	1	15	3.20	3.30	3.25	0.15	7.31	
120.00 to 135.00	1	15	3.30	3.70	3.50	0.15	7.88	
135.00 to 150.00	1	15	3.70	3.70	3.70	0.15	8.33	
150.00 to 165.00	1	15	3.70	3.70	3.70	0.15	8.33	
165.00 to 180.00	1	15	3.70	4.20	3.95	0.15	8.89	
180.00 to 195.00	1	15	4.20	4.10	4.15	0.15	9.34	
195.00 to 210.00	1	15	4.10	4.10	4.10	0.15	9.23	
6th cross, Shettyhalli								
0.00 to 15.00	1	15	4.80	3.90	4.35	0.15	9.79	
15.00 to 30.00	1	15	3.90	3.80	3.85	0.15	8.66	
30.00 to 45.00	1	15	3.80	4.10	3.95	0.15	8.89	
45.00 to 60.00	1	15	4.10	7.60	5.85	0.15	13.16	
60.00 to 75.00	1	15	7.60	6.30	6.95	0.15	15.64	
75.00 to 90.00	1	15	6.30	6.20	6.25	0.15	14.06	
90.00 to 105.00	1	15	6.20	6.30	6.25	0.15	14.06	
105.00 to 120.00	1	15	6.30	6.70	6.50	0.15	14.63	
						Total Qty	**338.03**	
						Consider BOQ Tender Quantity	**314.12**	

Assistant Engineer
Ward No.12
BBMP, Bengaluru
01/02/2020

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Shettyhalli Sub Division
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
BBMP, Bengaluru
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

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Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). &= Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, soparation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine Cum aggregate 0.46 etc., complete as per directions of Enginner incharge of the works.

			B1	B2	Average "B"		
Narasimhaswamy Temple Road							
0.00 to 15.00	1	15	7.40	3.50	5.45	0.15	12.26
15.00 to 30.00	1	15	3.50	3.80	3.65	0.15	8.21
30.00 to 45.00	1	15	3.80	3.10	3.45	0.15	7.76
45.00 to 60.00	1	15	3.10	3.60	3.35	0.15	7.54
60.00 to 75.00	1	15	3.60	5.30	4.45	0.15	10.01
75.00 to 90.00	1	15	5.30	9.90	7.60	0.15	17.10
90.00 to 101.00	1	11	9.90	13.60	11.75	0.15	19.39
101.00 to 124.00	1	23	13.60	7.10	10.35	0.15	35.71
Royal Avenue Road							
0.00 to 15.00	1	15	4.40	4.50	4.45	0.15	10.01
15.00 to 30.00	1	15	4.50	4.00	4.25	0.15	9.56
30.00 to 45.00	1	15	4.00	3.90	3.95	0.15	8.89
45.00 to 60.00	1	15	3.90	4.00	3.95	0.15	8.89
60.00 to 75.00	1	15	4.00	3.80	3.90	0.15	8.78
75.00 to 90.00	1	15	3.80	3.50	3.65	0.15	8.21
90.00 to 105.00	1	15	3.50	3.20	3.35	0.15	7.54
105.00 to 120.00	1	15	3.20	3.30	3.25	0.15	7.31
120.00 to 135.00	1	15	3.30	3.70	3.50	0.15	7.88

E.E. (D.D.)

Assistant Engineer
Ward No.12
BBMP, Bengaluru
07/07/2020

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Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bengaluru

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135.00 to 150.00	1	15	3.70	3.70	3.70	0.15	8.33	
150.00 to 165.00	1	15	3.70	3.70	3.70	0.15	8.33	
165.00 to 180.00	1	15	3.70	4.20	3.95	0.15	8.89	
180.00 to 195.00	1	15	4.20	4.10	4.15	0.15	9.34	
195.00 to 210.00	1	15	4.10	4.10	4.10	0.15	9.23	
6th cross, Shettyhalli								
0.00 to 15.00	1	15	4.80	3.90	4.35	0.15	9.79	
15.00 to 30.00	1	15	3.90	3.80	3.85	0.15	8.66	
30.00 to 45.00	1	15	3.80	4.10	3.95	0.15	8.89	
45.00 to 60.00	1	15	4.10	7.60	5.85	0.15	13.16	
60.00 to 75.00	1	15	7.60	6.30	6.95	0.15	15.64	
75.00 to 90.00	1	15	6.30	6.20	6.25	0.15	14.06	
90.00 to 105.00	1	15	6.20	6.30	6.25	0.15	14.06	
105.00 to 120.00	1	15	6.30	6.70	6.50	0.15	14.63	
						Total Qty	**338.03**	
						Consider BOQ Tender Quantity	**313.39**	

/accum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed ith floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power loater, blade and disc etc., with all lead and lift.etc., complete as per directions of Enginner charge of the works.

arasimhaswamy emple Road			B1	B2	Average "B"			
0.00 to 15.00	1	15	7.40	3.50	5.45		81.75	
15.00 to 30.00	1	15	3.50	3.80	3.65		54.75	
30.00 to 45.00	1	15	3.80	3.10	3.45		51.75	
45.00 to 60.00	1	15	3.10	3.60	3.35		50.25	
60.00 to 75.00	1	15	3.60	5.30	4.45		66.75	
75.00 to 90.00	1	15	5.30	9.90	7.60		114.00	
90.00 to 101.00	1	11	9.90	13.60	11.75		129.25	
101.00 to 124.00	1	23	13.60	7.10	10.35		238.05	
yal Avenue Road								
0.00 to 15.00	1	15	4.40	4.50	4.45		66.75	
15.00 to 30.00	1	15	4.50	4.00	4.25		63.75	

Assistant Engineer
Ward No.12
BBMP, Bengaluru

07/09/2020

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Shettyhalli Sub Division
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
BBMP, Bengaluru
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

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30.00 to 45.00	1	15	4.00	3.90	3.95		59.25	
45.00 to 60.00	1	15	3.90	4.00	3.95		59.25	
60.00 to 75.00	1	15	4.00	3.80	3.90		58.50	
75.00 to 90.00	1	15	3.80	3.50	3.65		54.75	
90.00 to 105.00	1	15	3.50	3.20	3.35		50.25	
105.00 to 120.00	1	15	3.20	3.30	3.25		48.75	
120.00 to 135.00	1	15	3.30	3.70	3.50		52.50	
135.00 to 150.00	1	15	3.70	3.70	3.70		55.50	
150.00 to 165.00	1	15	3.70	3.70	3.70		55.50	
165.00 to 180.00	1	15	3.70	4.20	3.95		59.25	
180.00 to 195.00	1	15	4.20	4.10	4.15		62.25	
195.00 to 210.00	1	15	4.10	4.10	4.10		61.50	
6th cross, Shettyhalli								
0.00 to 15.00	1	15	4.80	3.90	4.35		65.25	
15.00 to 30.00	1	15	3.90	3.80	3.85		57.75	
30.00 to 45.00	1	15	3.80	4.10	3.95		59.25	
45.00 to 60.00	1	15	4.10	7.60	5.85		87.75	
60.00 to 75.00	1	15	7.60	6.30	6.95		104.25	
75.00 to 90.00	1	15	6.30	6.20	6.25		93.75	
90.00 to 105.00	1	15	6.20	6.30	6.25		93.75	
105.00 to 120.00	1	15	6.30	6.70	6.50		97.50	
						Total Qty	2253.55	
						Consider BOQ Tender Quantity	2094.10	

Assistant Engineer
Ward No.12
BBMP, Bengaluru

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Shettyhalli Sub Division
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
BBMP, Bengaluru
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

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